

FIG. 1

Prior Art

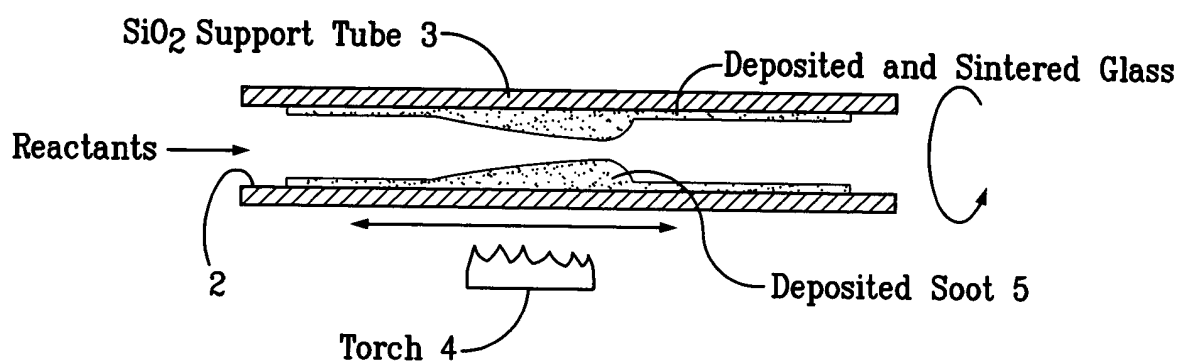


FIG. 2

Prior Art

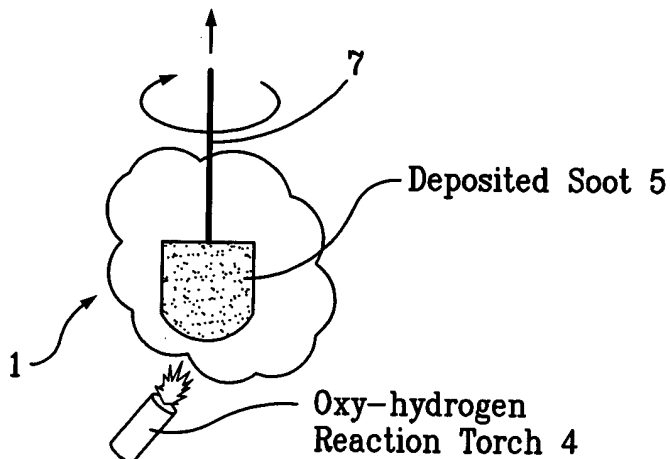
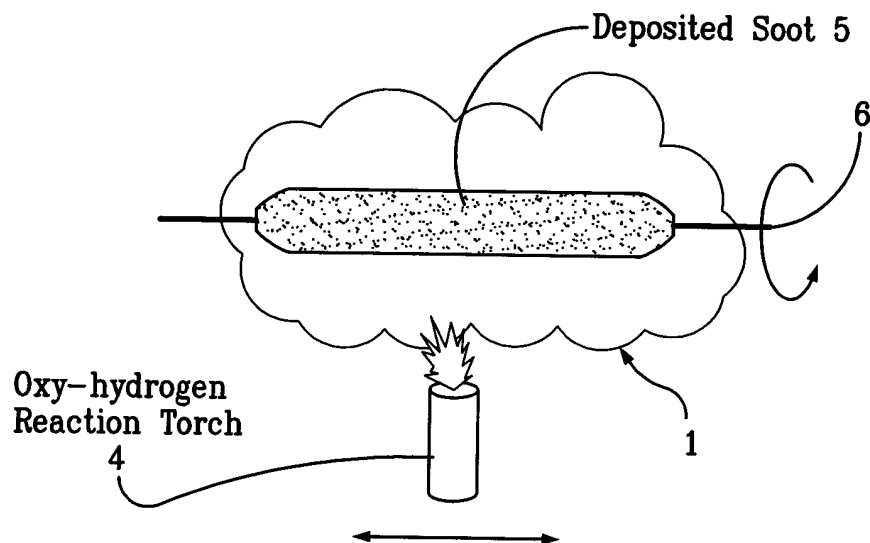


FIG. 3

Prior Art

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FIG. 4

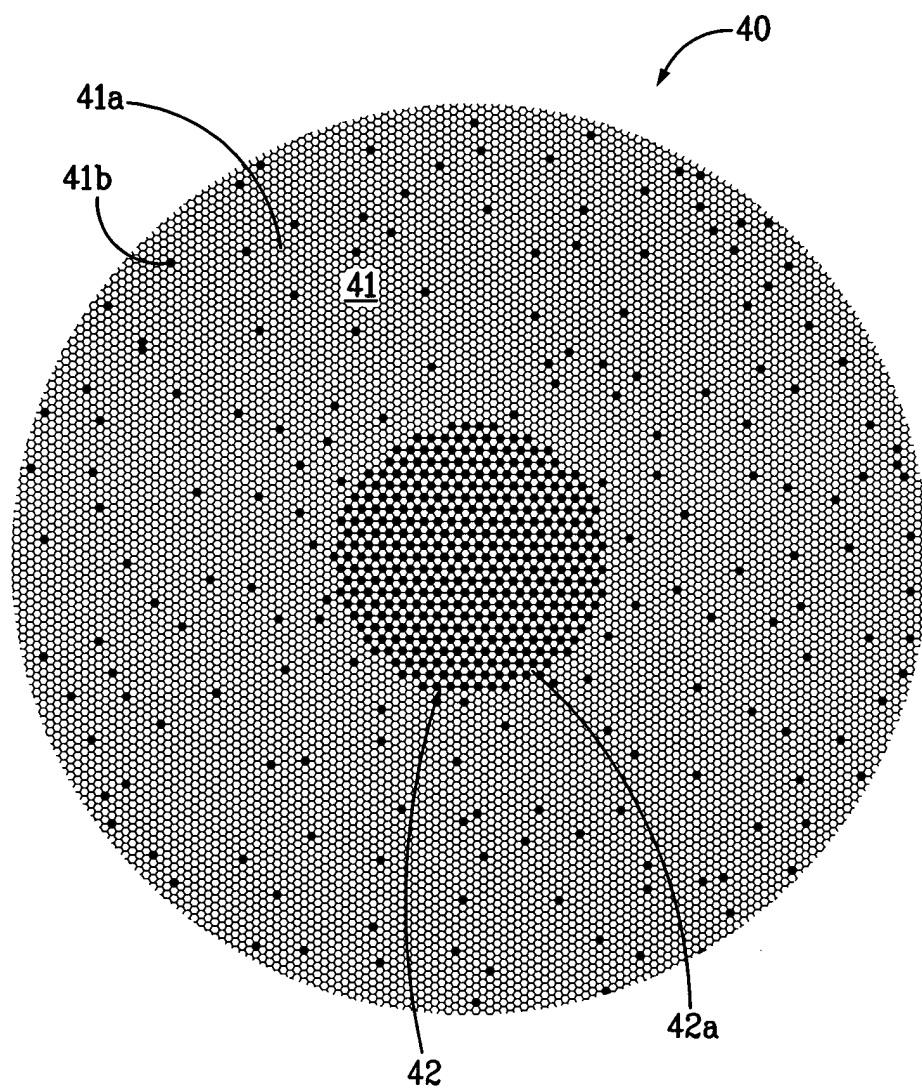


FIG. 4

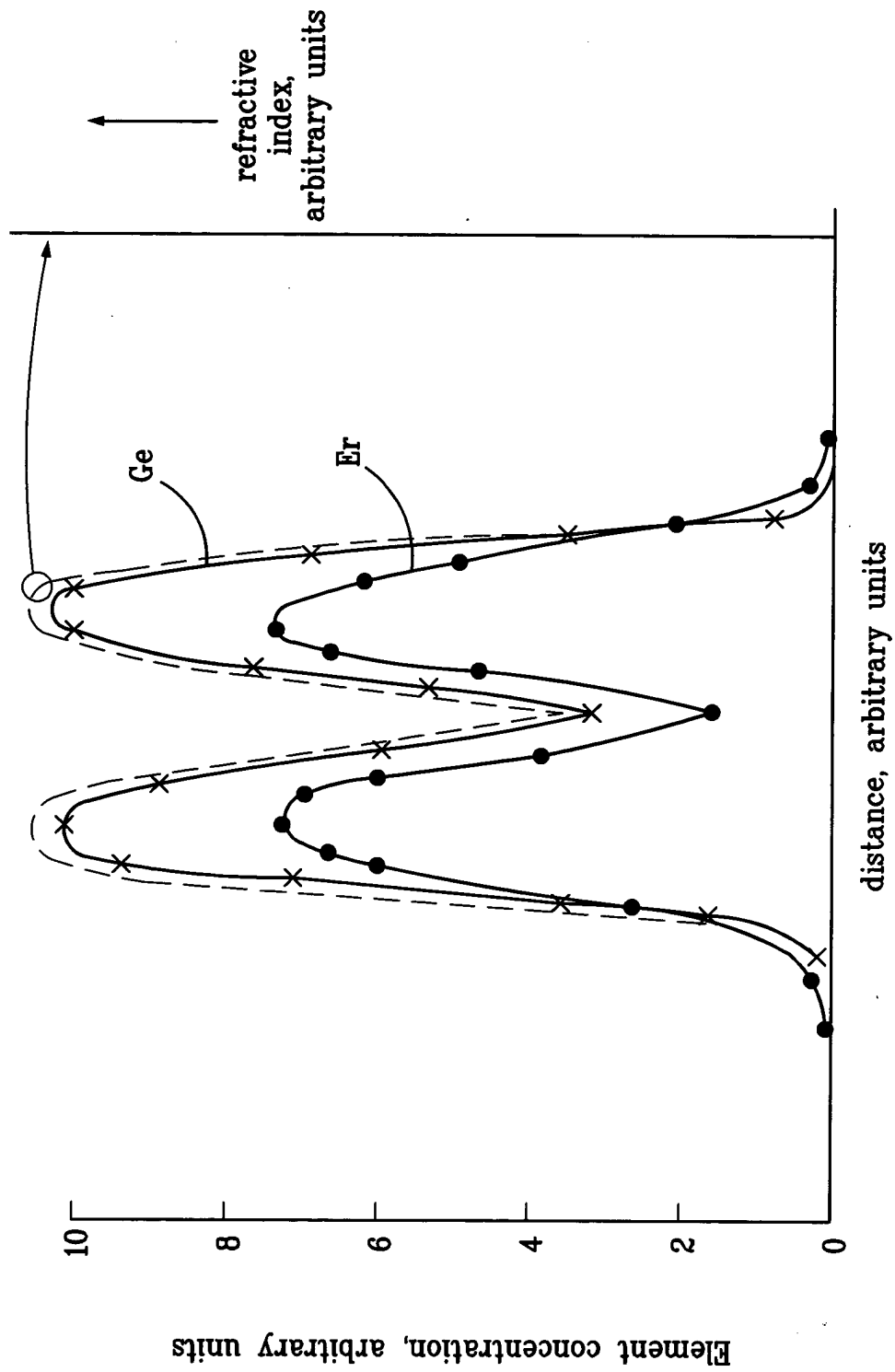
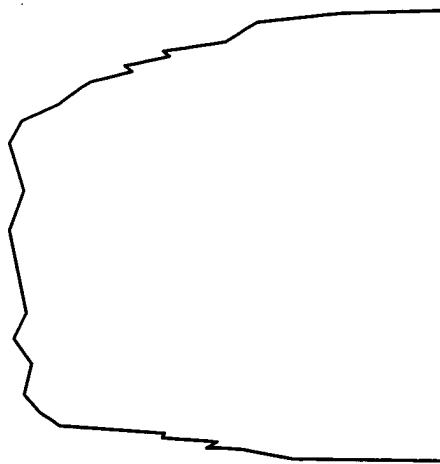
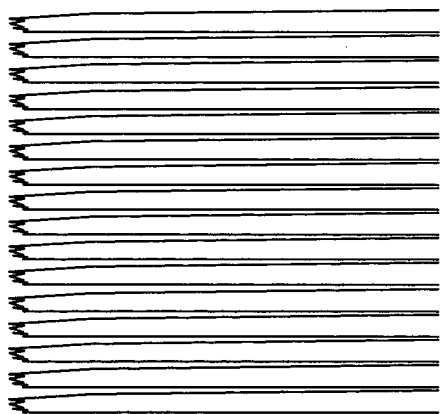


FIG. 5



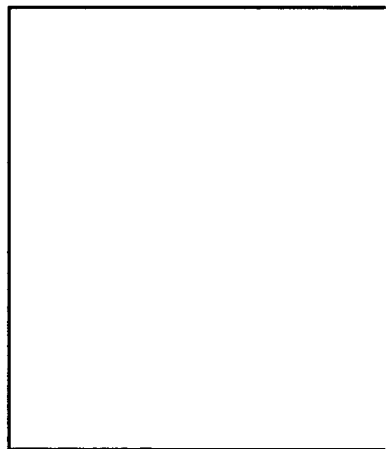
Index (or dopant) of core or cladding that has suffered the effects of burnout.

FIG. 6A



Index (or dopant) profile of a group of such rods bundled together.

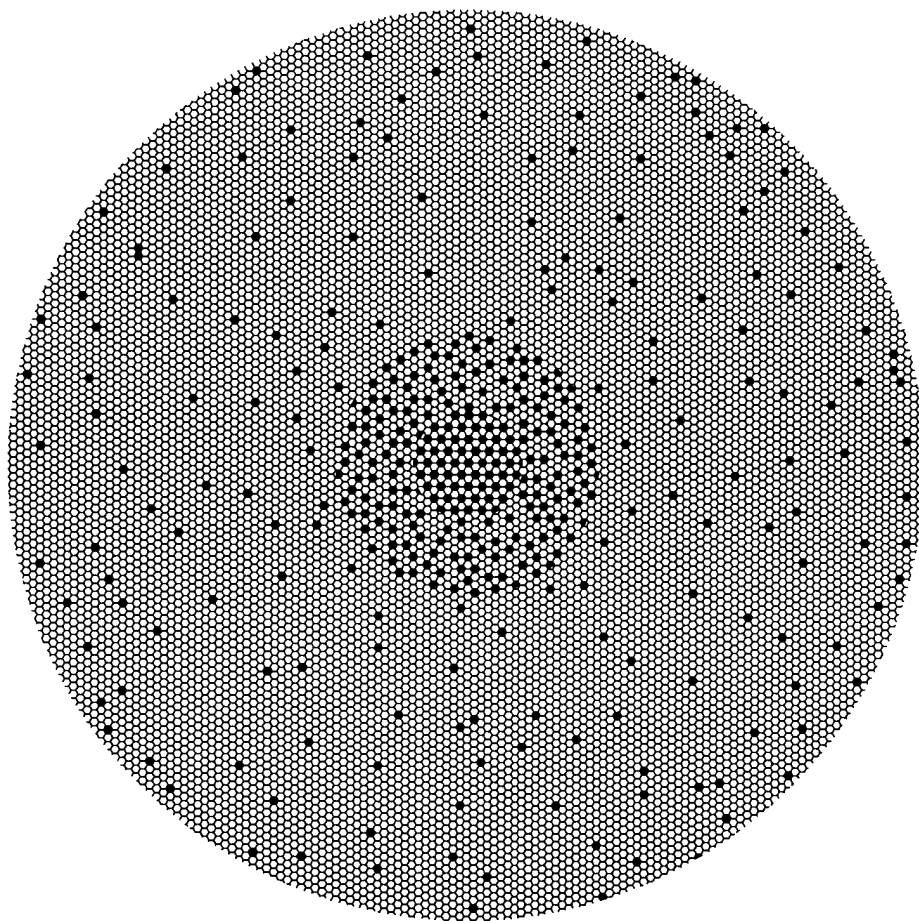
FIG. 6B



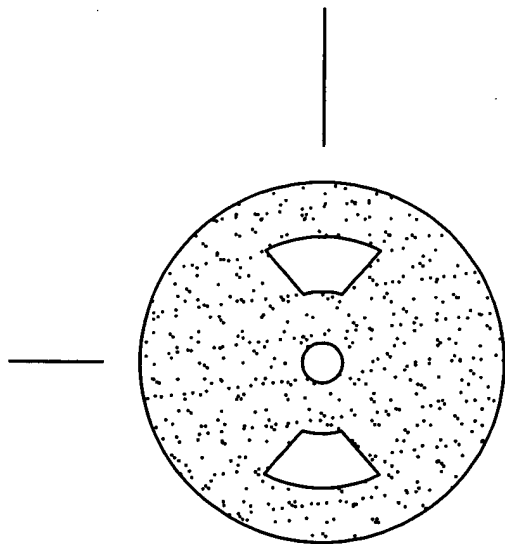
Effective index (or dopant) profile seen by mode field in fiber fabricated from such a preform bundle.

FIG. 6C

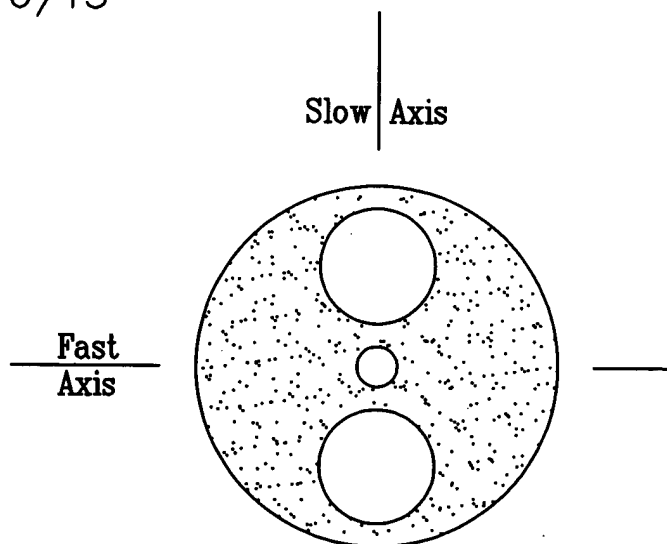
FIG. 7



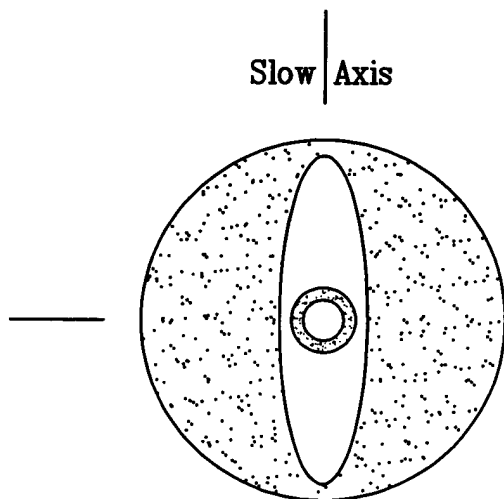
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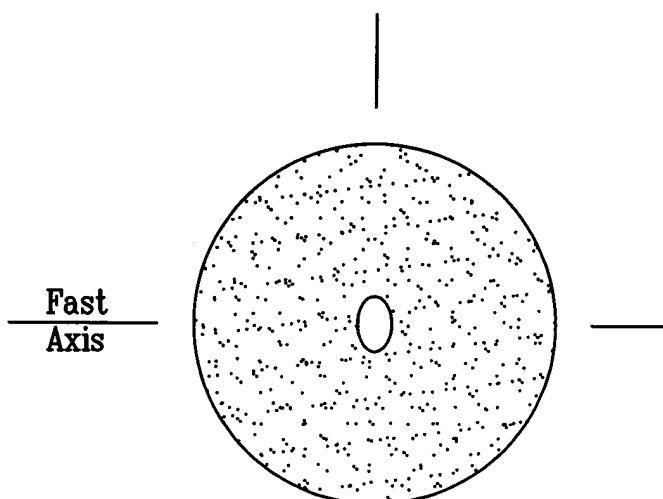
Bow-tie
FIG. 8A
Prior Art



Panda
FIG. 8B
Prior Art



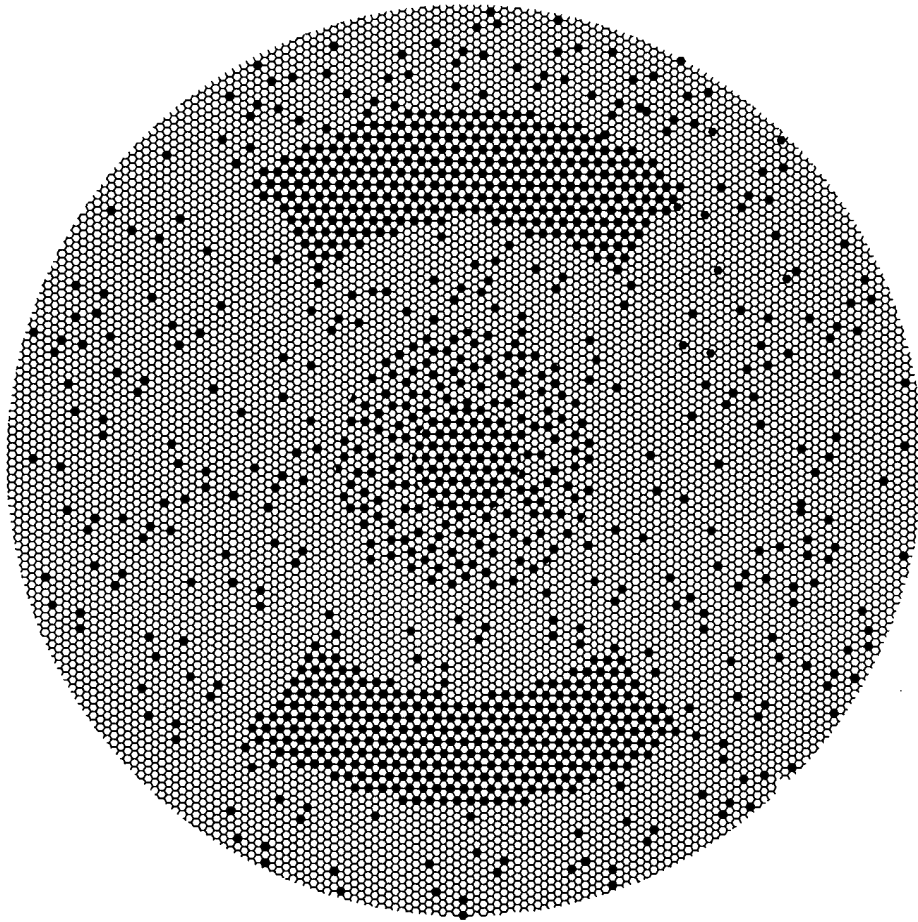
Oval-Inner Clad
FIG. 8C
Prior Art



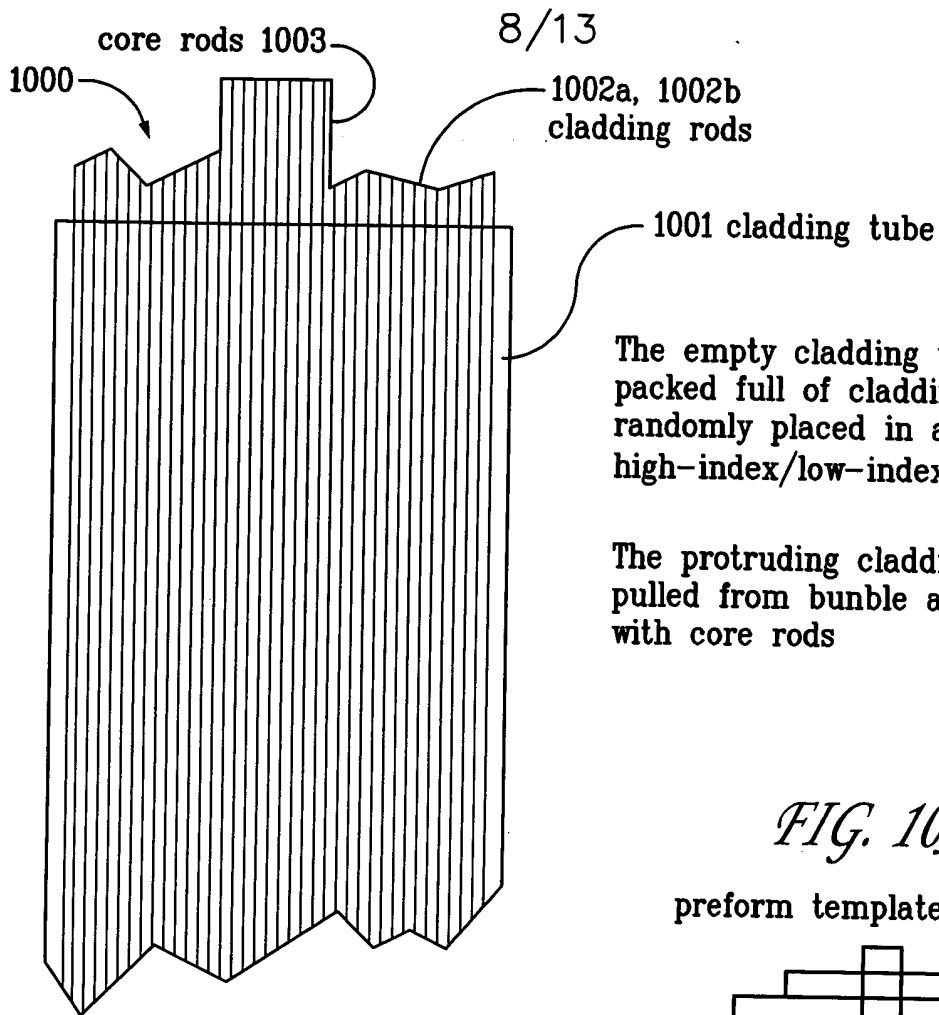
Oval Core
FIG. 8D
Prior Art

FIG. 8A

FIG. 9



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The empty cladding tube is
packed full of cladding rods,
randomly placed in appropriate
high-index/low-index ratio

The protruding cladding rods are
pulled from bundle and replaced
with core rods

FIG. 10A

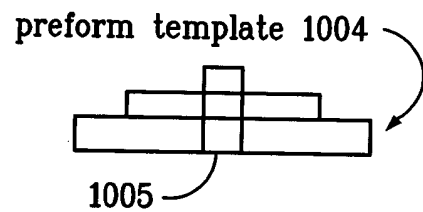


FIG. 10B

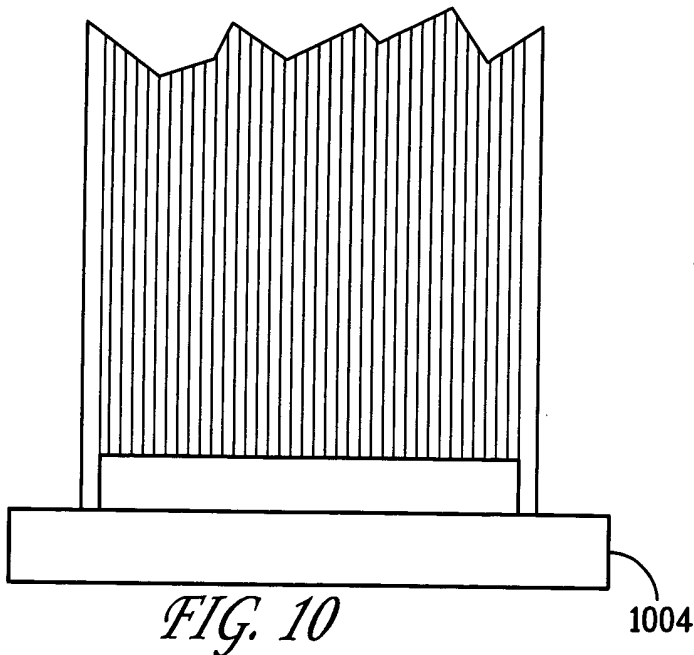
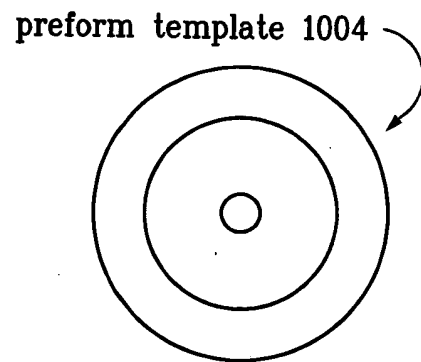


FIG. 11

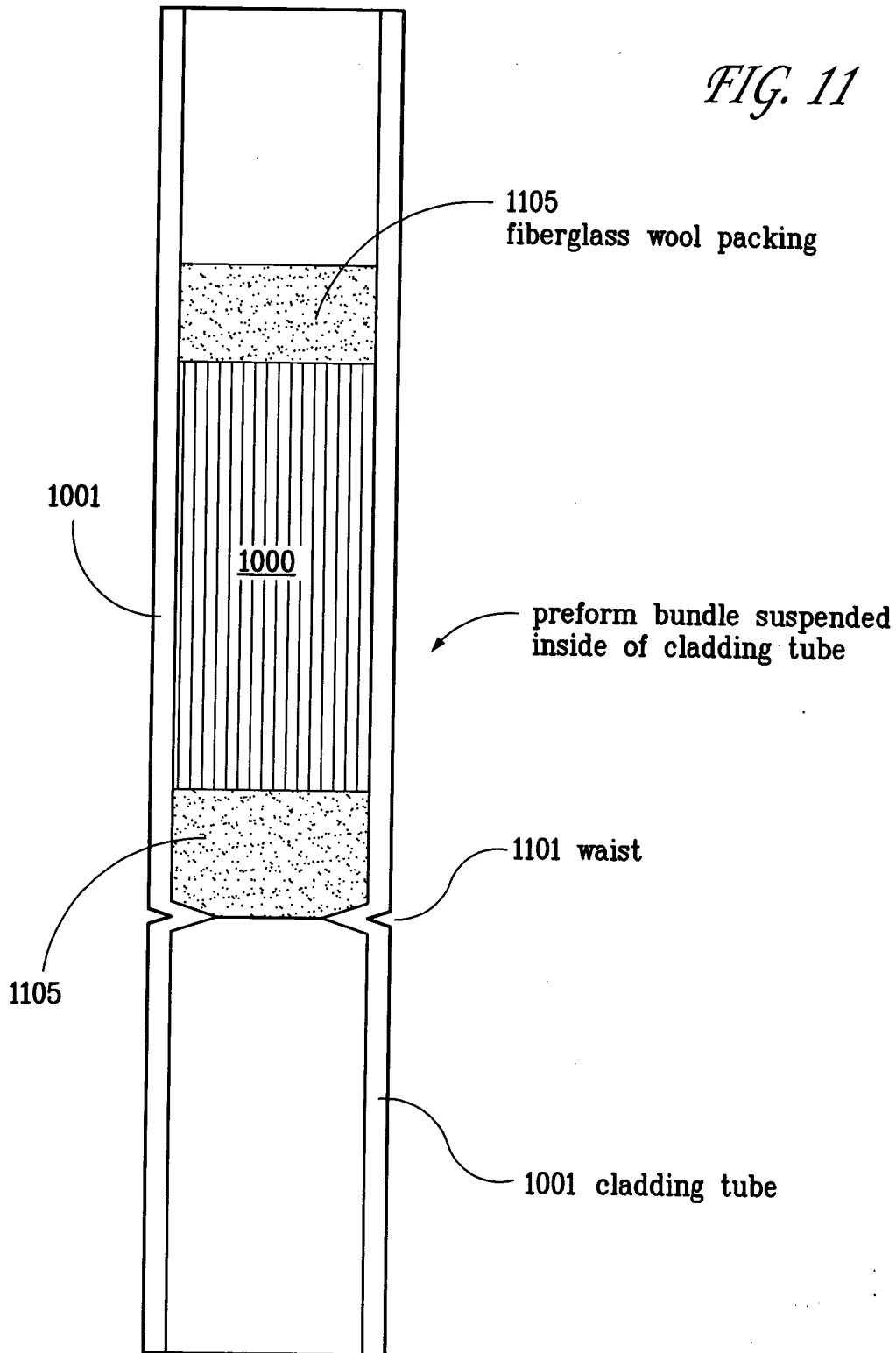


FIG. 11

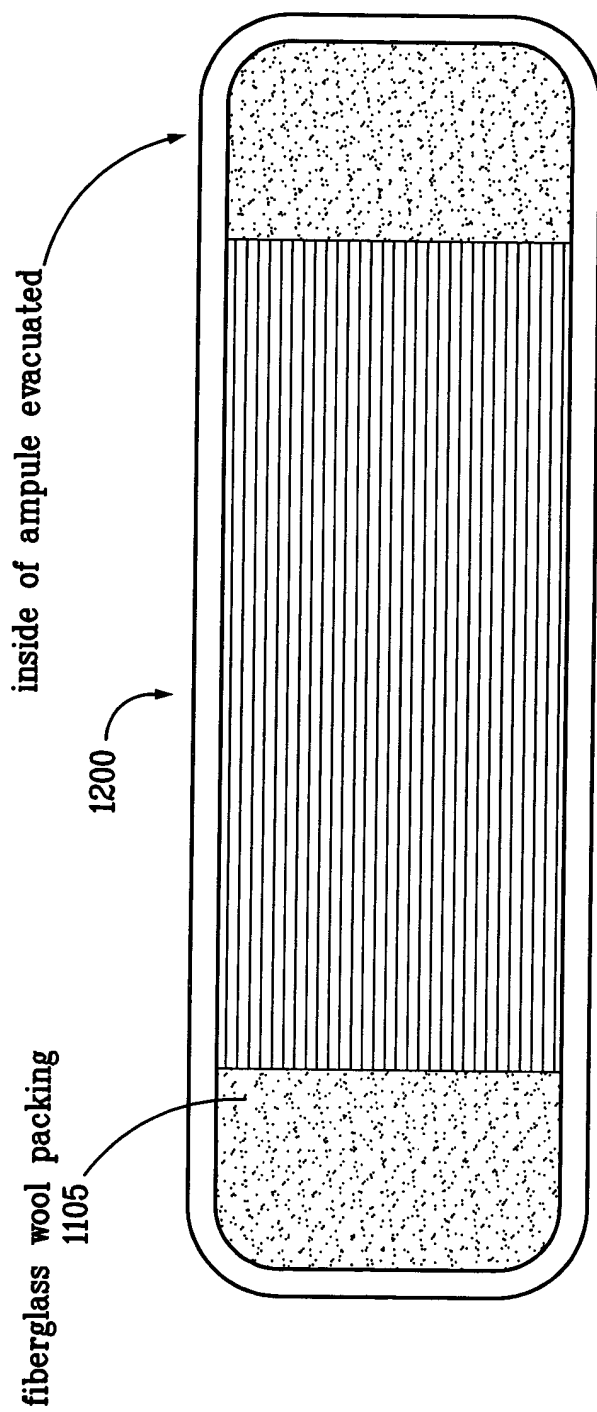
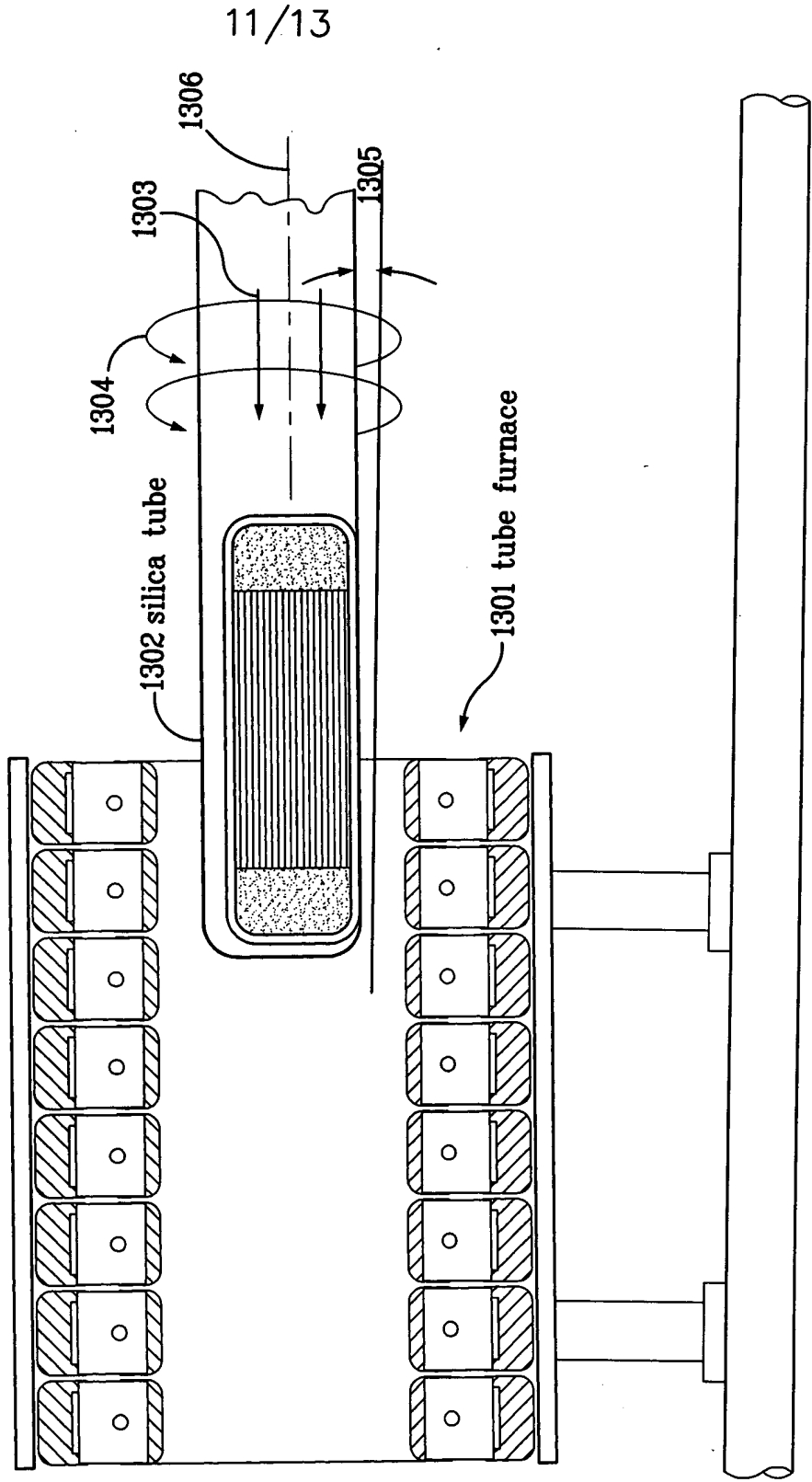


FIG. 12

FIG. 13



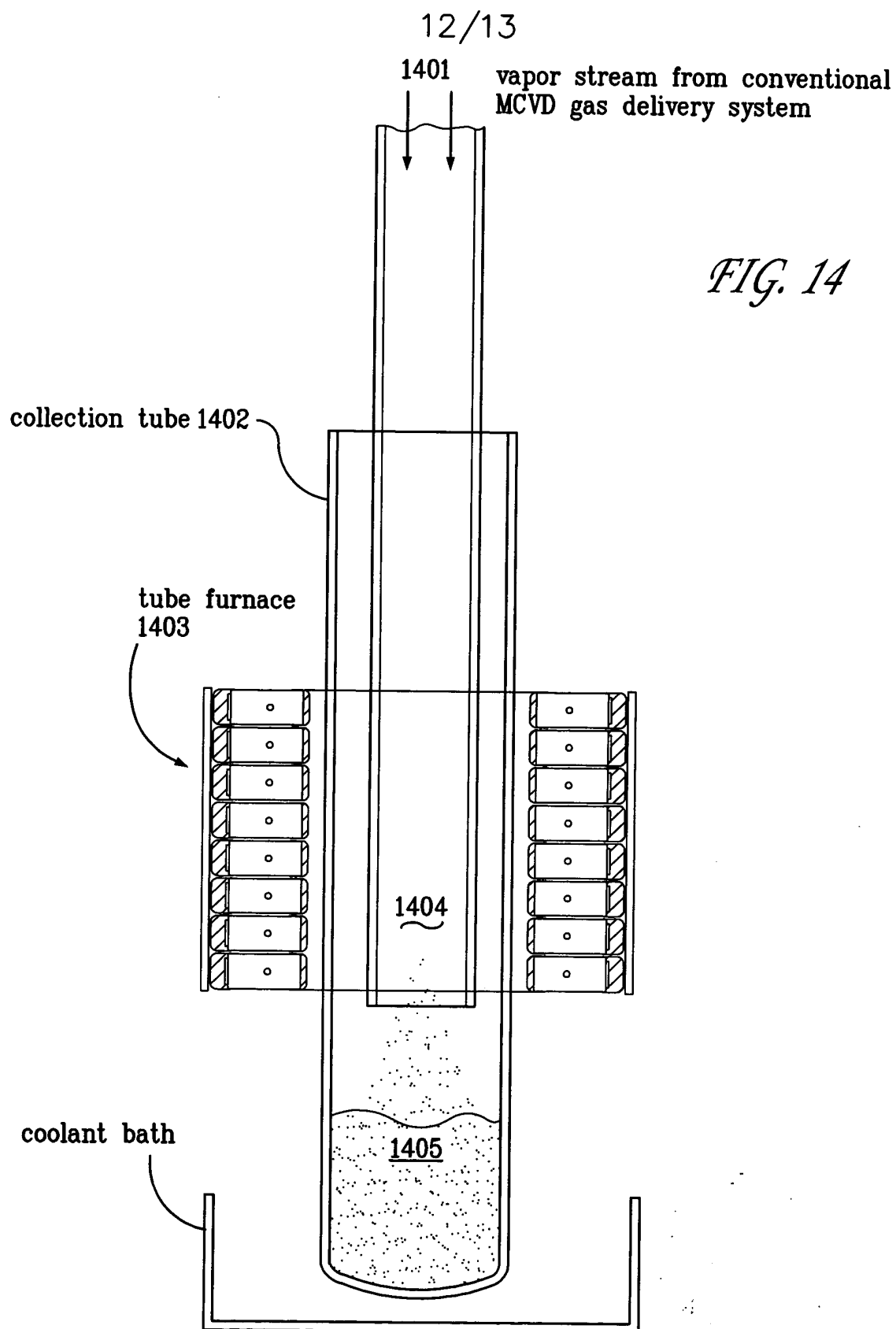
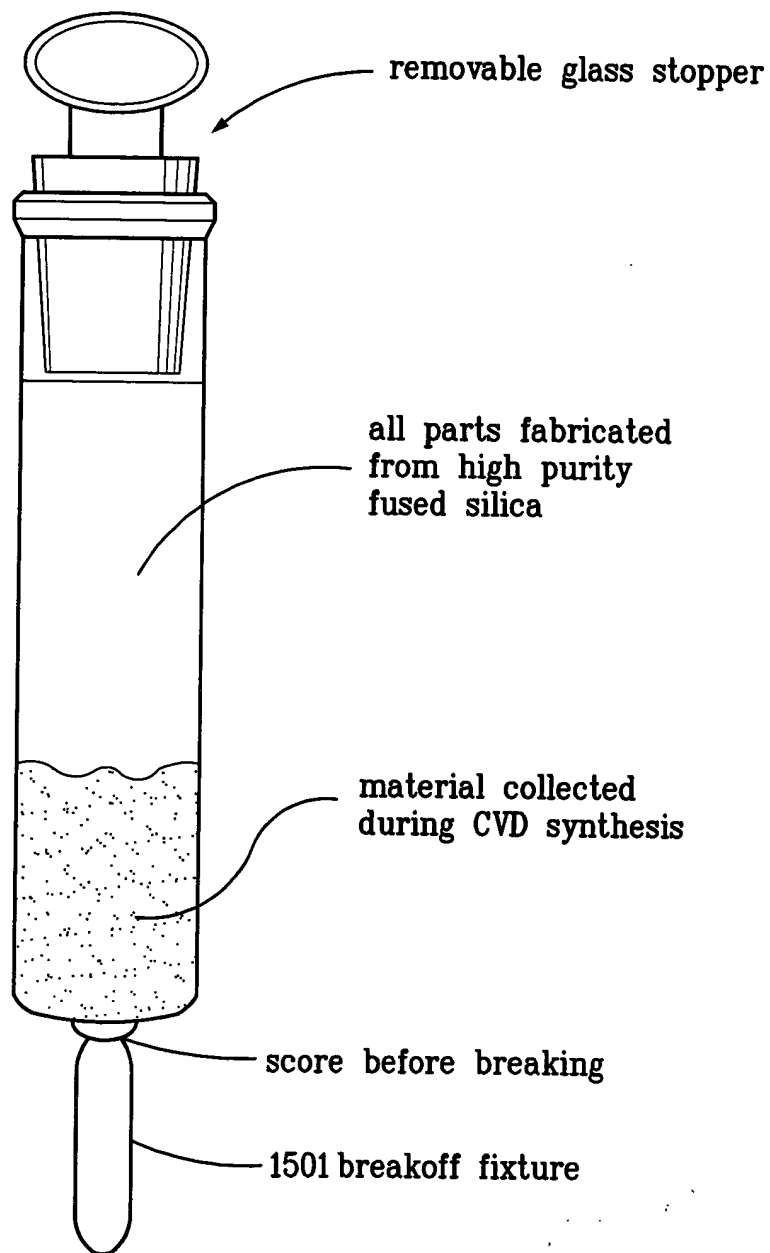


FIG. 15



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